



When you think of severe weather, baking bread does not come to mind. But thinking of bread might make you understand how severe storms tick.

### Watches

To bake severe thunderstorms, the recipe calls for moisture (from the Gulf of Mexico), instability (making air parcels buoyant), and lift (forcing air parcels aloft). The whole idea is to create rising air to make clouds grow. If the right ingredients are on hand, a **Watch** may be issued...meaning that **severe storms are possible but not imminent**.

### Warnings

If the right ingredients have come together (have been well mixed), and storms are baking...you are now in Warning mode. A **Warning** means that storms have become severe, and **severe weather is imminent**.

### What is Severe?



Severe thunderstorms produce at least one of the following: (1) large hail (i.e. penny size hail or larger), (2) wind gusts of 58 mph or greater (i.e. which will down trees and large tree limbs), and (3) tornadoes.

In the picture: Penny size hail or larger is one form of severe weather.

23. 3 miles southwest of Manning to 0.5 mile east-southeast of Manning (Dallas Co.), November 14<sup>th</sup>, 1:42 PM – A weak (F1) tornado had a path length of 3.2 miles.

24. 6.2 miles south-southwest of Pine Bluff to 5.5 miles south-southwest of Pine Bluff (Jefferson Co.), November 15<sup>th</sup>, 2:20 PM – A weak (F0) tornado had a path length of 0.7 mile.

25. 2.8 miles north-northeast of Gillett to 5.5 miles southeast of Ethel (Arkansas Co.), November 15<sup>th</sup>, 2:52 PM – A weak (F1) tornado had a path length of 16.5 miles.

26. 7 miles south of DeWitt to 2.2 miles west of DeLuce (Arkansas Co.), November 15<sup>th</sup>, 2:55 PM – A weak (F1) tornado had a path length of 3.5 miles.

27. 2 miles south of Bluffton to 2.5 miles southwest of Briggsville (Yell Co.), November 27<sup>th</sup>, 3:40 PM – A weak (F1) tornado had a path length of 4.5 miles.

28. 4.5 miles southwest of Danville to 1.8 miles southwest of Danville (Yell Co.), November 27<sup>th</sup>, 3:57 PM – A weak (F0) tornado had a path length of 2.7 miles.

29. 3 miles south-southwest of Kirby to 2 miles north of Welsh (Pike and Montgomery Cos.), November 27<sup>th</sup>, 4:25 PM – A weak (F1) tornado had a path length of 17 miles. One person was injured.

30. 4 miles north-northeast of Welsh to 2 miles southwest of Crystal Springs (Montgomery and Garland Cos.), November 27<sup>th</sup>, 4:49 PM – A weak (F1) tornado had a path length of 8 miles.

31. 2 miles north of Bear to 3 miles north-northeast of Bear (Garland Co.), November 27<sup>th</sup>, 5:10 PM – A weak (F1) tornado had a path length of 1.2 miles.

32. 3 miles southeast of Bonnerdale to 3 miles southeast of Mountain Pine (Hot Spring and Garland Cos.), November 27<sup>th</sup>, 5:20 PM – A strong (F2) tornado had a path length of 18 miles. One person was injured.



In the picture: A brick home was ripped open by a strong (F2) tornado near Sunshine (Garland County) on 11/27/2005. A tree also fell through the house.

33. 0.8 mile east-southeast of Chimes to 11.1 miles east of Witts Spring (Van Buren and Searcy Cos.), November 27<sup>th</sup>, 5:23 PM – A weak (F1) tornado had a path length of 5.5 miles.